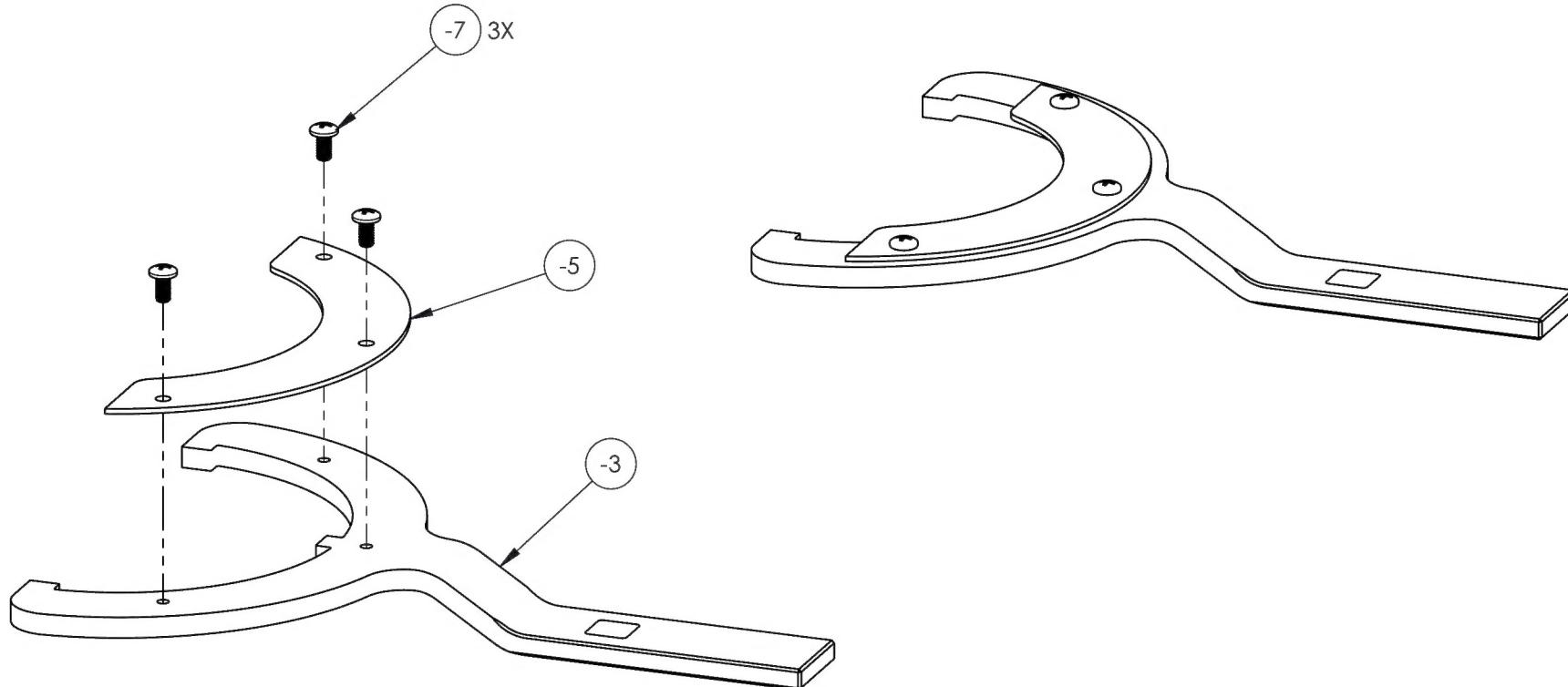


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REVISIONS						
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED	
A		DWG No. WAS 269A9312.	2/19/90	-	-	
2		SCREWS CHANGED FROM AN515-8R5	-	-	-	
3		CHANGED TO ALTERNATE METHOD WITH HOLES FOR STRESS RELIEF.	10/10/2007	WP	G.E.	
4		CH'D ENGRAVE NOTE.	6/9/2009	RJC	-	
4A		CREATED WELDMENT & RENUMBER COMPONENTS.	9/9/2011	SE	RW	
5	15-0296	UPDATED TO NEW DRAFTING STANDARDS. -3 ADDED DIM 2X .670 MIN. CH'D DIM WAS 2X .503-.511 IS 2X .503-.508.. -3 & -5 CH'D FINISH WAS BLACK OXIDE IS BLACK ZINC ASTM B633 TYPE II SC2.	9/11/2015	DPD	JAG	

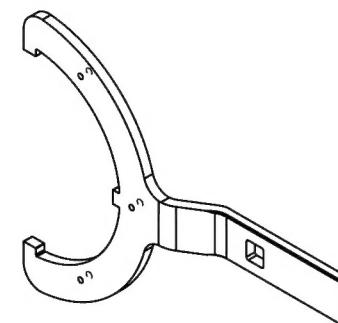
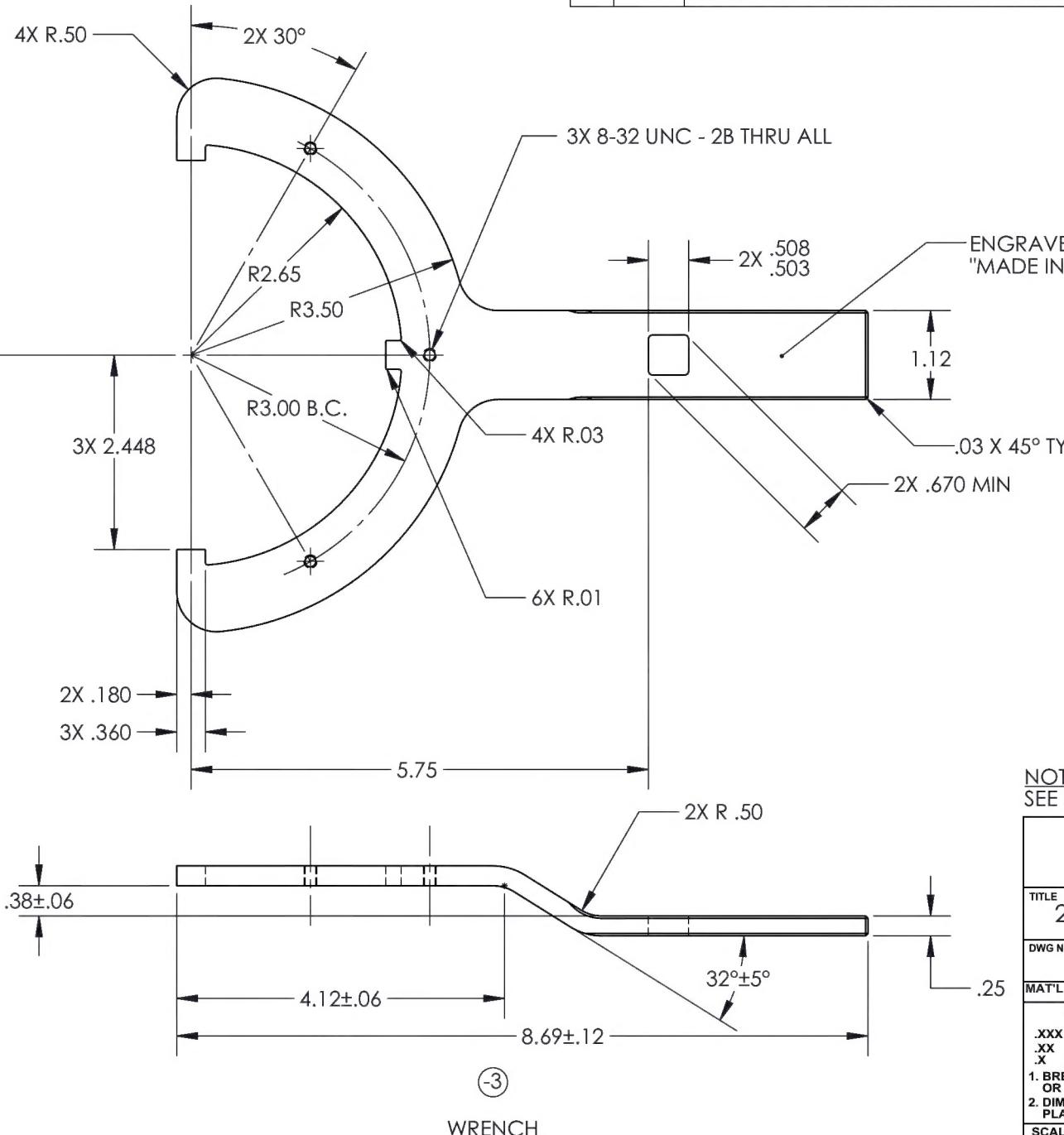


<b>DART AEROSPACE</b>	
TITLE	
269A1315 NUT INSTALLATION WRENCH	
DWG NO.	
269T9312	
REV	5
MAT'L	DRAWN BY: GILBERT
APPROVED <i>D Weil</i>	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	
.XXX ± .010 FRACTIONS ± 1/8	
.XX ± .03 ANGLES ± 5°	
.X ± .1	
SPEC	
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
USED ON MODEL	
269	
SCALE	1:2
DATE	1/18/2012
SHEET 1 OF 4	

ASSY QTY	ASSY QTY	B/O	Part #	UNIT QTY	Description	Material	B/O INFORMATION OR SPECIFICATIONS	PG.
		-3	1	WRENCH	4130/4140/4142			2/3
		-5	1	STOP	4130/4140/4142			4
	B/O	-7	3	SCREW	STEEL	8/32 X 5/16 (MCMASTER-CARR #91400A191)		1

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REVIEWS		
REV	ECR	DESCRIPTION
5	15-0296	-3 ADDED DIM 2X .670 MIN, CH'D DIM WAS 2X .503-.511 IS 2X .503-.508. DELETED DIM 4X R.02 MAX. CHD FINISH WAS BLACK OXIDE IS BLACK ZINC ASTM B633 TYPE II SC2.



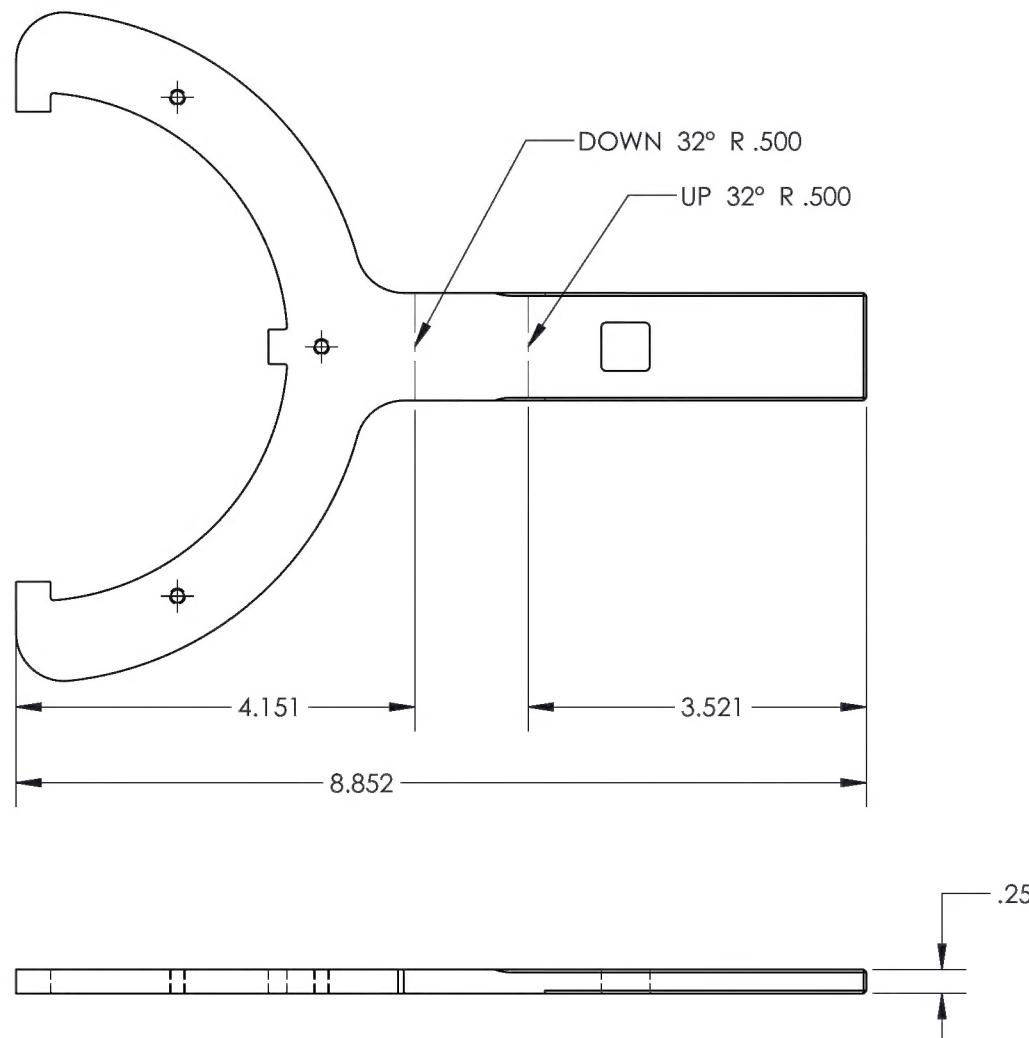
NOTE:  
SEE SHEET 3 FOR FLAT PATTERN



TITLE	
269A1315 NUT INSTALLATION WRENCH	
DWG NO.	269T9312-3 REV 5
MAT'L	4130/4140/4142 DRAWN BY: GILBERT
UNLESS OTHERWISE SPECIFIED APPROVED	
DIMENSIONS ARE IN INCHES FRACTIONS ± 1/8	D. Weil
.XXX ± .010	HEAT TREAT RC 36-42
.XX ± .03	FINISH BLACK ZINC
X ± .1	SPEC ASTM B633 TYPE II SC 2
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	USED ON MODEL
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	269
SCALE 1:2	DATE 1/18/2012
	SHEET 2 OF 4

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REV	ECR	REVISIONS	DESCRIPTION	DATE	INITIAL	APPROVED
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FLAT PATTERN  
FOR REFERENCE ONLY

(3)

WRENCH

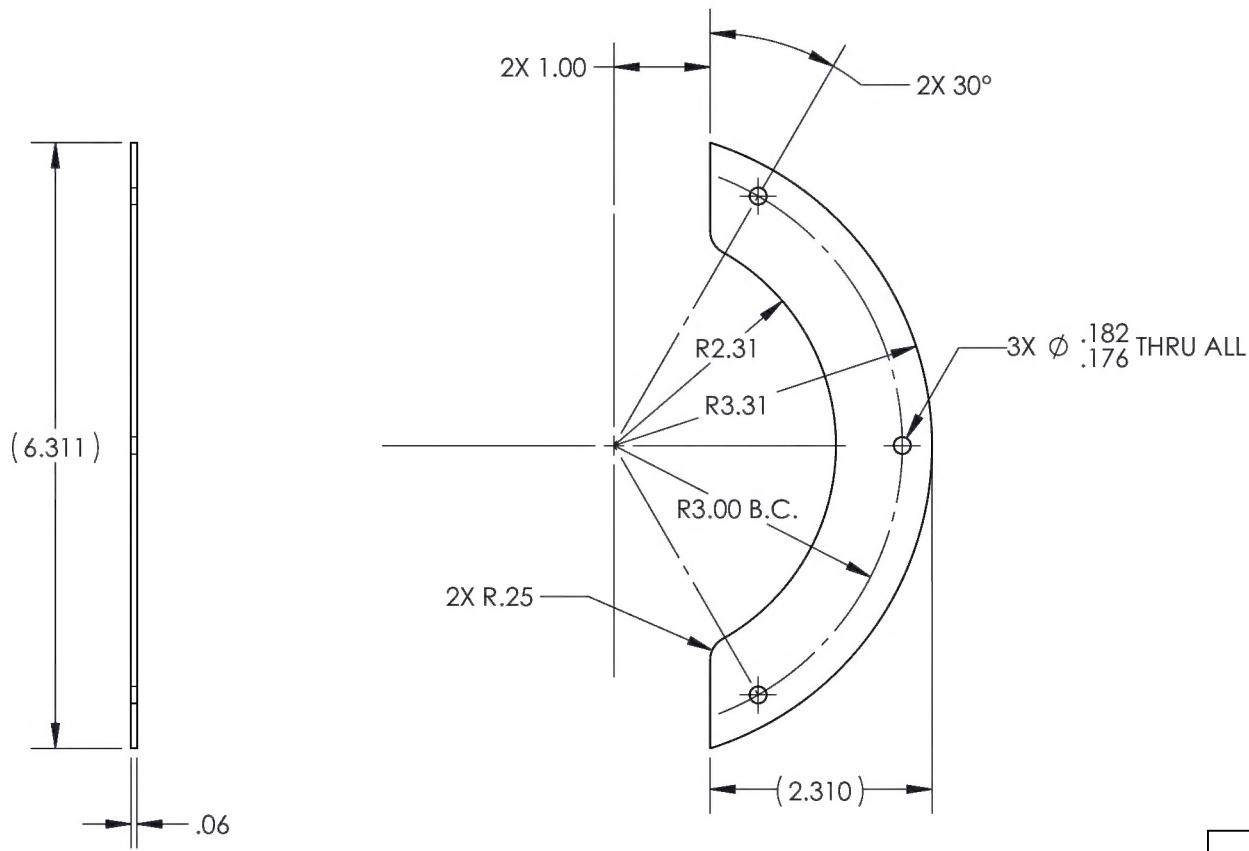
NOTE:  
SEE SHEET 2 FOR FOLD DETAIL.

DART AEROSPACE	
TITLE	269A1315 NUT INSTALLATION WRENCH
DWG NO.	269T9312-3
MAT'L	4130/4140/4142
DRAWN BY:	GILBERT
APPROVED	D Weil
UNLESS OTHERWISE SPECIFIED	
DIMENSIONS ARE IN INCHES	
.XXX ± .010	FRACTIONS ± 1/8
.XX ± .03	ANGLES ± 5°
X ± .1	
1. BREAK ALL SHARP EDGES .015 x 45°	
OR .015R	
2. DIMENSIONAL LIMITS APPLY AFTER	
PLATING	
USED ON MODEL	269
SCALE	1:2
DATE	1/18/2012
SHEET 3 OF 4	

5

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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
5	15-0296	-5 CH'D FINISH WAS BLACK OXIDE IS BLACK ZINC ASTM B633 TYPE II SC2.	9/11/2015	DPD	JAG



(-5)

STOP

<b>DART</b> AEROSPACE	
TITLE <b>269A1315 NUT INSTALLATION WRENCH</b>	
DWG NO. <b>269T9312-5</b>	
REV <b>5</b>	
MAT'L 4130/4140/4142	
DRAWN BY: GILBERT	
APPROVED <i>D Weil</i>	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	
.XXX ± .010 FRACTIONS ± 1/8	
.XX ± .03 ANGLES ± 5°	
.X ± .1	
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
SPEC ASTM B633 TYPE II SC 2	
USED ON MODEL	
269	
SCALE 1:2	DATE 1/18/2012
SHEET 4 OF 4	